GenBank: M10277.1

Human cytoplasmic beta-actin gene, complete cds

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Common Features Sequence
LOCUS       HUMACCTB                3646 bp    DNA     linear   PRI 30-OCT-1994
DEFINITION  Human cytoplasmic beta-actin gene, complete cds.
ACCESSION   M10277
VERSION     M10277.1  GI:177967
KEYWORDS    actin; beta-cytoplasmic actin; cytoplasmic actin.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Haplorrhini;
            Catarrhini; Hominidae; Homo.
REFERENCE   1  (bases 1 to 3646)
  AUTHORS   Nakajima-Iijima,S., Hamada,H., Reddy,P. and Kakunaga,T.
  TITLE     Molecular structure of the human cytoplasmic beta-actin gene:
            interspecies homology of sequences in the introns
  JOURNAL   Proc. Natl. Acad. Sci. U.S.A. 82 (10), 6133-6137 (1985)
    PUBMED  2994062
REFERENCE   2  (sites)
  AUTHORS   Harris,D.E., Warshaw,D.M. and Periasamy,M.
  TITLE     Nucleotide sequences of the rabbit alpha-smooth-muscle and
            beta-non-muscle actin mRNAs
  JOURNAL   Gene 112 (2), 265-266 (1992)
    PUBMED  1555776
COMMENT     Original source text: Human DNA library from HUT-14 cell line,
            clone lambda-Hs16O.
            A potential cap site was found at position 239.  Through
            interspecies sequence comparison, a second potential cap site was
            found at positions 242-244.
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Articles about ACTB

- Ischemia-mediated aggregation of the actin [Am J Physiol Gastrointest Liver Physiol 20(
- MicroRNA-mediated up-regulation of an alternatively poly [Nucleic Acids Res 2008]
- Serum response factor is required for sprouting angiogenesis an [Dev Cell 2008]

» See all ..

Reference sequences

- mRNA
- Protein

More about the ACTB gene
This gene encodes one of six different actin proteins. Actins are highly conserved proteins that are involved in cell motility, structure, a ..
Also Known As: PS1TP5BP1

Homologs of ACTB
The ACTB gene is conserved in chimpanzee, dog, cow, mouse, rat, chicken, zebrafish, fruit fly, mosquito, and rice

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